

Work Order ID 87094

87094

Page 1

July-10-12 3:12:26 PM

Item ID: D412-742-013

Accept

N900040100

Setup

Start

NS1

Revision ID:

Stop

NS2

Item Name: Float Skidtube Installation

Start Date: 8/06/12 Start Qty: 1.00

1

Cust Item ID:

Required Date: 8/31/12 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan:

Date: 12-07-11 Tooling:

Date:

Run

Start

NR1

QC:

Date: SPC (Y/N):

Date:

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
IIN D412-742	E

100

100

DOCUMENT CONTROL

0.00

DAS
16
12/10/14

DC

Document Control

Memo

Photocopy bluefile and create labels per PPP D412-742-013 CHG007

JB

JL MLS 12-10-10

110

110

Pick Kit

0.00

Packaging

Packaging

Memo

0.00

1

12/16/10 JB

120

120

QC

Quality Control

QC4- 100% Inspect kits for completeness

0.00

Memo

DAS
10
11/10/14

B88162

W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE			By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			
				1500 2000				

NOTE: Date & initial all entries

Work Order ID 87094***87094***

Page 2

July-10-12 3:12:26 PM

Item ID: D412-742-013

Accept

N900040100

Setup

Start

NS1

Revision ID:

Item Name: Float Skidtube Installation

Stop

NS2

Start Date: 8/06/12 Start Qty: 1.00

1

Cust Item ID:

Required Date: 8/31/12 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:	Process Plan:	Date:	Tooling:	Date:	Run	Start	*NR1*
	QC:	Date:	SPC (Y/N):	Date:	Stop		*NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130 *130* Packaging	Packaging	0.00						<i>SD</i>	<i>SL 12/10/11</i>
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP D412-742-013 Location: <i>73</i>								
140 *140* QC	QC21- Final Inspection - Work Order Release	0.00						<i>12/10/12 JJ</i>	
Quality Control	Memo	0.00							

U 12.10.12

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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*Work Order ID:	87094	Start Date:	8/06/12	Required Date:	8/31/12	
Parent Item:	D412-742-013					
Parent Item Name:	Float Skidtube Installation		Start Qty:	1.00	Required Qty:	1.00

Comments: IPP Rev: A05.10.13 New Issue KJ/JLM
 IPP Rev:B 06-06-08 As per DS19336 JLM
 i672 DD verified by:JLM
 IPP Rev:D 08-09-08 ecn 08-510 DD verified by:EC
 IPP Rev:E 09-01-23 as per DS19441 DD verified by:EC IPP Rev:F: add AN4C7A DD
 10.01.13 verified by:EC IPP Rev:G 11.11.01 as per DS19517 REV.B DD verified
 by:EC IPP rev:H 12.01.12 PER IIN REV.E DD VERF: IPP Rev:I add AN4C47A
 DD 12.03.14 verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
AN4C47A Bolt		Purchased	No			110	Each	128.0000		4123843 ⁴	JB		

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST361	128	
118451	6	
119798	2	
121009	22	
121585	2	
122012	46	
122204	50	

D412-742-013
Replacement Float Skidtube
D2571
Saddle, Fwd Out 205

	Manufactured	No	110	Each	0.0000
	Manufactured	No	110	Each	15.0000

0	SAL 1	B88/62	8
0	89951	JB	12/10/07

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST	1	
11644	1	
ST425	-13	
ST432	14	
85607	8	
85883	6	
ST433	13	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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Work Order ID: 87094

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 8/06/12

Required Date: 8/31/12

Start Qty: 1.00

Required Qty: 1.00

D2572
Saddle, FwdIn 205

Manufactured No 110 Each 7.0000

U 39322 1 ✓ JB

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST432	7	
71107	2	
85882	5	

Manufactured No 110 Each 3.0000

0 86967 1 ✓ JB

D2573
Saddle, AftOut 205

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST423	-12	
79424	0	
ST433	3	
83669	3	
ST434	12	

Manufactured No 110 Each 3.0000

U 88740 1 ✓ JB

D2574
Saddle, Aft In 205

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST433	3	
83671	3	

Manufactured No 110 Each 94.0000

2 86734 2 ✓ JB

D2876
Saddle Spacer

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST020	94	
83323	40	
83890	54	

Manufactured No 110 Each 104.0000

2 86890 2 ✓ JB 12/10/09

D2877
Saddle Spacer

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST020	104	
83324	3	
83891	61	
86442	40	

W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE			By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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Page 3

Work Order ID: 87094

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 8/06/12

Start Qty: 1.00

Required Date: 8/31/12

Required Qty: 1.00

D3403-11
Bushing

Manufactured No 110 Each 65.0000

8 88782 2 JB

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
-----------------	----------------	-----------------

ST041	15	
70696	15	
ST042	50	
80208	7	
80219	4	
85661	39	

Manufactured No 110 Each 45.0000

8 86832 2 JB

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
-----------------	----------------	-----------------

ST042	45	
85664	45	

Manufactured No 110 Each 296.0000

4 4 C JB

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
-----------------	----------------	-----------------

ST017	296	
79520	5	
81877	91	
86439	200	

Manufactured No 110 Each 68.0000

2 86439 2 JB

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
-----------------	----------------	-----------------

ST053	68	
80326	2	
83892	66	

D3533-1
Set Screw

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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Work Order ID: 87094

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 8/06/12

Required Date: 8/31/12

Start Qty: 1.00

Required Qty: 1.00

AN4CGA
Bolt

Purchased No 110 Each 399.0000

16 16 122800 JB

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
FG	4	
103344	4	
ST356	395	
116704	2	
120423	1	
121657	392	

AN4C53A
Bolt

Purchased No 110 Each 105.0000

4 4 122199 JB

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST361	105	
122193	99	
122194	6	

AN4C52A
BOLT

Purchased No 110 Each 8.0000

4 122518 4 JB

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST361	8	
117688	6	
120364	2	

AN6C12A
BOLT

Purchased No 110 Each 48.0000

8 8 122808 8 JB 12180109

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST341	48	
121541	7	
122204	41	

W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE			By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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Work Order ID:	87094	Start Date:	8/06/12	Required Date:	8/31/12
Parent Item:	D412-742-013				
Parent Item Name:	Float Skidtube Installation				
 					
D3672-3 Phenolic Washer	Manufactured	No	110	Each	1,275.0000 32 32 <i>v JB</i>
AN960C416L WASHER D3672-9 Phenolic Washer	Purchased	No	<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
			ST060	1275	
			84361	275	
			84432	500	
			86517	500	
			110	Each	0.0000 32 32 <i>v JB</i>
NAS1149C0632R WASHER	Manufactured	No	<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
			ST060	308	
			81763	308	
			110	Each	183.0000 8 8 <i>v JB</i>
D3672-11 Phenolic Washer	Purchased	No	<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
			ST297	183	
			119736	2	
			120308	1	
			121825	180	
			110	Each	203.0000 8 8 <i>v JB</i>
 	Manufactured	No	<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
			ST060	203	
			77483	203	
					<i>77483</i>

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval. QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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July-10-12 3:12:25 PM

Work Order ID: 87094

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 8/06/12

Required Date: 8/31/12

Start Qty: 1.00

Required Qty: 1.00

MS21043-4

Purchased

No

110

Each

1,766.0000

29

29

Nut

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
-----------------	----------------	-----------------

FG	40	
----	----	--

104603	40	
--------	----	--

ST301	726	
-------	-----	--

119546	4	
--------	---	--

121162	282	
--------	-----	--

121652	440	
--------	-----	--

ST318	1000	
-------	------	--

122141	1000	
--------	------	--

	Each	52.0000
--	------	---------

D3403-3

Manufactured

No

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
-----------------	----------------	-----------------

ST042	52	
-------	----	--

85662	52	
-------	----	--

	Each	13.0000
--	------	---------

D3405-041

Manufactured

No

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
-----------------	----------------	-----------------

ST478	13	
-------	----	--

62227	2	
-------	---	--

77000	2	
-------	---	--

83370	3	
-------	---	--

83896	6	
-------	---	--

	Each	8.0000
--	------	--------

D3405-043

Manufactured

No

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
-----------------	----------------	-----------------

ST478	8	
-------	---	--

82038	1	
-------	---	--

83897	7	
-------	---	--

W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE			By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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Work Order ID: 87094

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 8/06/12

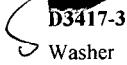
Required Date: 8/31/12

Start Qty: 1.00

Required Qty: 1.00

 D414C7A
Bolt

 D3407-041
Tow Ring

 D3417-3
Washer

 D3456-1
Washer

Purchased No 110 Each 123.0000

4 4 ✓ JB SL

Location Loc Qty Loc Code

ST356 123

109147 123

Manufactured No 110 Each 1.0000

0 1 ✓ JB B89970 SL

Location Loc Qty Loc Code

ST463 1

82068 1

Manufactured No 110 Each 21.0000

2 ✓ JB 86735

Location Loc Qty Loc Code

FG 9

33519 9

Manufactured No 110 Each 214.0000

0 1 ✓ JB 12/10/09

Location Loc Qty Loc Code

ST042 12

80225 12

Location Loc Qty Loc Code

FG 7

25701 7

Manufactured No 110 Each 207

0 1 ✓ JB 85223

Location Loc Qty Loc Code

ST044 1

80252 14

81876 92

83584 100

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
*								

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			
*								

NOTE: Date & initial all entries

Picklist Print

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July-10-12 3:12:25 PM

Work Order ID: 87094

Parent Item: D412-742-013

Parent Item,Name: Float Skidtube Installation

Start Date: 8/06/12

Required Date: 8/31/12

Start Qty: 1.00

Required Qty: 1.00

AN3G37A
BOLT

Purchased No 110 Each 154.0000

U 122843 1 ✓ 28

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST324	50	
122204	50	
ST354	104	
116874	11	
117010	2	
120422	3	
121068	36	
121584	2	
121585	50	

AN3G40A
BOLT

Purchased No 110 Each 20.0000

U 1 ✓ 28

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST354	20	
114442	20	

AN3G41A
BOLT

Purchased No 110 Each 211.0000

114442 U 1 ✓ 20 12/10/09

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
FG	4	
103324	4	
ST354	207	
121013	26	
121313	80	
121689	1	
122241	100	

W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE			By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			
*								

NOTE: Date & initial all entries

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Work Order ID: 87094

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 8/06/12

Required Date: 8/31/12

Start Qty: 1.00

Required Qty: 1.00

AN3C42A
BOLT

Purchased No 110 Each 69.0000

1 1 j3

Location	Loc Qty	Loc Code
ST354	69	
106176	1	
120464	1	
121103	17	
122241	50	

AN3C43A
BOLT

Purchased No 110 Each 61.0000

4 4 j3

Location	Loc Qty	Loc Code
ST354	61	
114455	2	
119673	1	
120465	58	

AN3C46A
BOLT

Purchased No 110 Each 51.0000

5 5 j3

Location	Loc Qty	Loc Code
ST355	51	
120447	3	
122204	48	

AN960C10L
washer

NAS1149C0332R Purchased No 110 Each 21.0000

26 26 j3 12/10/09

Location	Loc Qty	Loc Code
ST	21	
107534	21	

W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE			By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

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July-10-12 3:12:25 PM

Work Order ID: 87094

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 8/06/12

Required Date: 8/31/12

Start Qty: 1.00

Required Qty: 1.00

MS21043-3
Nut

Purchased No

110 Each 1,086.0000

13 13 ✓ 122993 20 12/10/09

Location	Loc Qty	Loc Code
FG	72	_____
103691	72	_____
ST301	1014	_____
118077	2	_____
118614	12	_____
118686	30	_____
119758	20	_____
121255	93	_____
121708	857	_____

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

5.2 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List

Item	Qty -013	Qty -043	Part Number	Description
	X		D412-742-013	FLOAT SKIDTUBE INSTALLATION
	1	X	D412-742-043	FLOAT SKIDTUBE
	1	1	D3391-043	412 FLOAT SKIDTUBE
1		*24	*AN3C4A	*BOLT
3		*10	*AN3C6A	*BOLT
4		*4	*AN3C7A	*BOLT
5		*38	*AN960C10L	*WASHER
21		*1	*D4095-041	*WEARSHOE (REPLACES D3564-1)
22		*1	*D4095-043	*WEARSHOE (REPLACES D3564-3)
23		*1	*D4095-045	*WEARSHOE (REPLACES D3564-5)
10		*1	*D3391-021	*412 FORWARD TUBE
11		**1	**D3401-041	**TOW CAP
12A		**10	**AEELS-1032-225	**INSERT (REPLACES NAS1330S3KB166)
13		**10	**AN3C4A	**BOLT
14A		**4	**D3672-1	**WASHER (REPLACES NAS1515H3L)
14B		**10	**AN960C10L	**WASHER
24		**1	**D4095-051	**WEARSHOE (REPLACES D3564-13)
20		*1	*D3391-023	*412 MID TUBE
28		**20	**AEELS-1032-130	**INSERT (REPLACES NAS1330S3KB116)
30		*1	*D3391-025	*412 AFT TUBE
25		**1	*D4095-049	**WEARPAD (REPLACES D3537-1)
26		**1	*D4095-047	**WEARPAD (REPLACES D3537-7)
31		**1	**D2646	**AFT CAP
32		**14	**AEELS-1032-130	**INSERT
36		**8	**AEELS-1032-225	**INSERT (REPLACES NAS1330S3KB366)
37A		**6	**AN3C4A	**BOLT
37B		**4	**AN3C5A	**BOLT
38A		**2	**D3672-1	**WASHER (REPLACES NAS1515H3L)
38B		**10	**AN960C10L	**WASHER

(CONTINUED ON PAGE 20)

REFERENCE ONLY

(CONTINUED FROM PAGE 19)

Item	Qty -013-	Qty -043-	Part Number	Description
40	1		D2571	SADDLE, FWD OUTSIDE
41	1		D2572	SADDLE, FWD INSIDE
42	1		D2573	SADDLE, AFT OUTSIDE
43	1		D2574	SADDLE, AFT INSIDE
44	2		D2876	SADDLE SPACER
45	2		D2877	SADDLE SPACER
46A	8		D3403-1	BUSHING
46B	8		D3403-5	BUSHING
47A	4		D2747	SET SCREW
47B	2		D3533-1	SET SCREW
48	16		AN4C6A	BOLT
49A	4		AN4C52A	BOLT
49B	4		AN4C53A	BOLT
50	8		AN6C12A	BOLT
51A	32		D3672-3	WASHER (REPLACES NAS1515H4L)
51B	32		AN960G416L	WASHER
52A	8		D3672-9	WASHER (REPLACES NAS1515H6L)
52B	8		AN960C616L	WASHER
53	8		D3672-11	WASHER (REPLACES NAS1515H7L)
54	24		MS21043-4	NUT
55	4		AN4C7A	BOLT
56	2		D3591-1	BUSHING
60	8		D3403-3	BUSHING
61	1		D3405-041	GHW LUG
62	1		D3405-043	GHW LUG
63	4		AN4C47A	BOLT
64	4		MS21043-4	NUT
70	1		D3407-041	TOW RING
71	2		D3417-3	WASHER
72	1		MS21043-4	NUT
73	1		D3456-1	WASHER
91	1		AN3C37A	BOLT
92	1		AN3C40A	BOLT
93	1		AN3C41A	BOLT
94	1		AN3C42A	BOLT
95	4		AN3C43A	BOLT
97	5		AN3C46A	BOLT
99	26		AN960C10L	WASHER
100	13		MS21043-3	NUT

*DENOTES PART IS INCLUDED WITH D3391-043 ASSEMBLY ABOVE

**DENOTES THAT PART IS INCLUDED WITH ASSEMBLY ABOVE

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-742 REV. E
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-742 REV. 4

REF. FAA STC: SR01583SE

REF. CANADIAN STC: SH05-37

REF. EASA STC: EASA.IM.R.S.01126

PURPOSE

For D412-742-011-013 Float Skidtube Installations, qty(4) AN4C53A bolts may be replaced with qty(4) AN4C52A bolts. Kits may be supplied from Dart with either AN4C52A or AN4C53A bolts.

Note that it is acceptable to use longer or shorter AN4C bolts than those specified, as long as there is a minimum of 1.5 threads in safety.

CHANGE

The parts lists of Installation Instructions IIN-D412-742 Rev. E and Instructions for Continued Airworthiness ICA-D412-742 Rev. 4 is amended as follows:

5.1 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List (IIN-D412-742)

32.18 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List (ICA-D412-742)

Item	Qty -011	Qty -041	Qty -015	Part Number	Description
	X			D412-742-011	FLOAT SKIDTUBE INSTALLATION

IS:

49B	4			AN4C53A OR AN4C52A	BOLT
-----	---	--	--	-----------------------	------

WAS:

49B	4			AN4C53A	BOLT
-----	---	--	--	---------	------

5.2 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List (IIN-D412-742)

32.19 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List (ICA-D412-742)

Item	Qty -013	Qty -043	Part Number	Description
	X		D412-742-013	FLOAT SKIDTUBE INSTALLATION

IS:

49B	4			AN4C53A OR AN4C52A	BOLT
-----	---	--	--	-----------------------	------

WAS:

49B	4			AN4C53A	BOLT
-----	---	--	--	---------	------

A	NEW ISSUE			CP	12.02.28
REV.	DESCRIPTION			BY	DATE
DESIGN	99	DART AEROSPACE USA, INC KENT, WA	DRAWING NO. DSI 9600	REV. A SHEET 1 OF 1	
DRAWN	99				
CHECKED					
MFG. APPR.	N/A				
APPROVED	LM				
DE APPR.					
DATE	12.02.28	TITLE	SCALE		
BOLT SUBSTITUTION				NTS	
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